

# Percent Proportion

Use proportion to find an  
EXACT answer.

The Percent Proportion

$$\frac{\textit{is}}{\textit{of}} = \frac{\%}{100}$$

Use a proportion to find an EXACT answer.

1) What is ~~37%~~ of ~~1200~~?

$$\frac{x}{1200} = \frac{37}{100}$$

$$1200 \cdot 37 = 100 \cdot x$$

$$\frac{44400}{100} = \frac{100x}{100}$$

2) Find ~~93%~~ of 250.

$$\frac{x}{250} = \frac{93}{100}$$

$$93 \cdot 250 = 100 \cdot x$$

$$\frac{23250}{100} = \frac{100x}{100}$$

$$232.5 = x$$

3) 43 is 25% of what number?

$$\frac{43}{x} = \frac{25}{100}$$

$$\begin{array}{r} 43 \cdot 100 = 25x \\ 4300 \overline{) 25x} \\ \underline{25} \phantom{x} \\ 172 \phantom{x} \end{array}$$

4) What number is 77% of 1250?

Independent practice time . . .

5) 120 is 15% of what number?

6) 17 is what percent of 45?

$$\frac{17}{45} = \frac{x}{100}$$

$$17 \cdot 100 = 45x$$

$$\frac{1700}{45} = \frac{45x}{45}$$

$$37.78\% = x$$

# HOMEWORK

TAKE OUT YOUR PLANNER

p. 91 #1-3 < <sup>NOT</sup><sub>OR</sub> NF

p. 95 #19-26 proportions